

Abstract**CONFIGURABLE TILED EMISSIVE DISPLAY**

5 The present invention relates to a configurable emissive display tile, e.g. an organic light-emitting diode (OLED) display tile and associated methods for use in a tiled large-screen display application. The OLED tile assembly of the present invention is capable of operating either as an autonomous display or, alternatively, may operate within a set of OLED display tiles forming a larger tiled display. An embodiment of an OLED tile assembly (100) according to an embodiment of the present invention is shown in Fig. 1C, including a power supply (158), a cooling system with cooling fans (160) and cooling blocks (146) and a control system, comprising a control board (154) with processor, an OLED board (142) and a substrate (140). It furthermore includes a digital video interface and an automatic addressing system. The present invention further includes a method of initial assembly, automatic configuration, and calibration of the tiled OLED display and a method of replacing, adding, or removing one or more OLED tile assemblies in a larger tiled display.

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+ Fig. 1C